

Kentucky Project Plan

1997-99

Summary Presentation

Table of Contents

- Introduction
- Objectives
- Organization Structure
- System Design Baseline
- Work Breakdown
Structure & Description
- Processes
- Work Assignments
- Phasing & Milestones
- Schedule
- Resource Estimates
- Issues
- Appendix

Introduction

- **Purpose and Scope**
 - **Kentucky's Role in CVISN**
 - **Improving CVO Kentucky Style**
-

Purpose and Scope. This project plan was prepared in mid 1997 to provide an overall management guide for the Kentucky CVISN Model Deployment Team. It deals with how we are organized and the processes for managing the accomplishments expected in the plan through 1999. The plan provides the project's objectives, system design baseline, and a work breakdown structure. Work breakdown elements are phased by sub-objectives quarterly and scheduled by detailed task. Resource estimates are made in accordance with the work breakdown structure. The plan includes a statement of issues and external dependencies which are important to the project's success. The appendix includes a discussion of Kentucky's electronic screening concept and a checklist of the project management principles. This project plan focuses on specific CVO improvement areas that are required of a Federally selected model deployment state.

Introduction (continued)

Kentucky's Role in CVISN. Kentucky has demonstrated its interest in making the government role in CVO effective and efficient. Kentucky was selected as one of the first seven CVISN Model Deployment states in 1996. Prior to being selected, Kentucky as the lead state for Advantage I-75 (now the Advantage CVO Partnership) hosted the two CVISN pilot states for a briefing on the mainline automated clearance system currently operating on the I-75 corridor in six states and Canada. Kentucky has played a lead role in electronic screening and was previously 'selected as a MCSAP 100/200 state for the advanced safety inspection system. Kentucky has also been selected to be a lead state for championing (mainstreaming) CVO improvements among states of the Great Lakes and the Southeast. Kentucky's approach to CVISN has been rather aggressive due, in part, to its unified CVO organizational structure and management leadership.

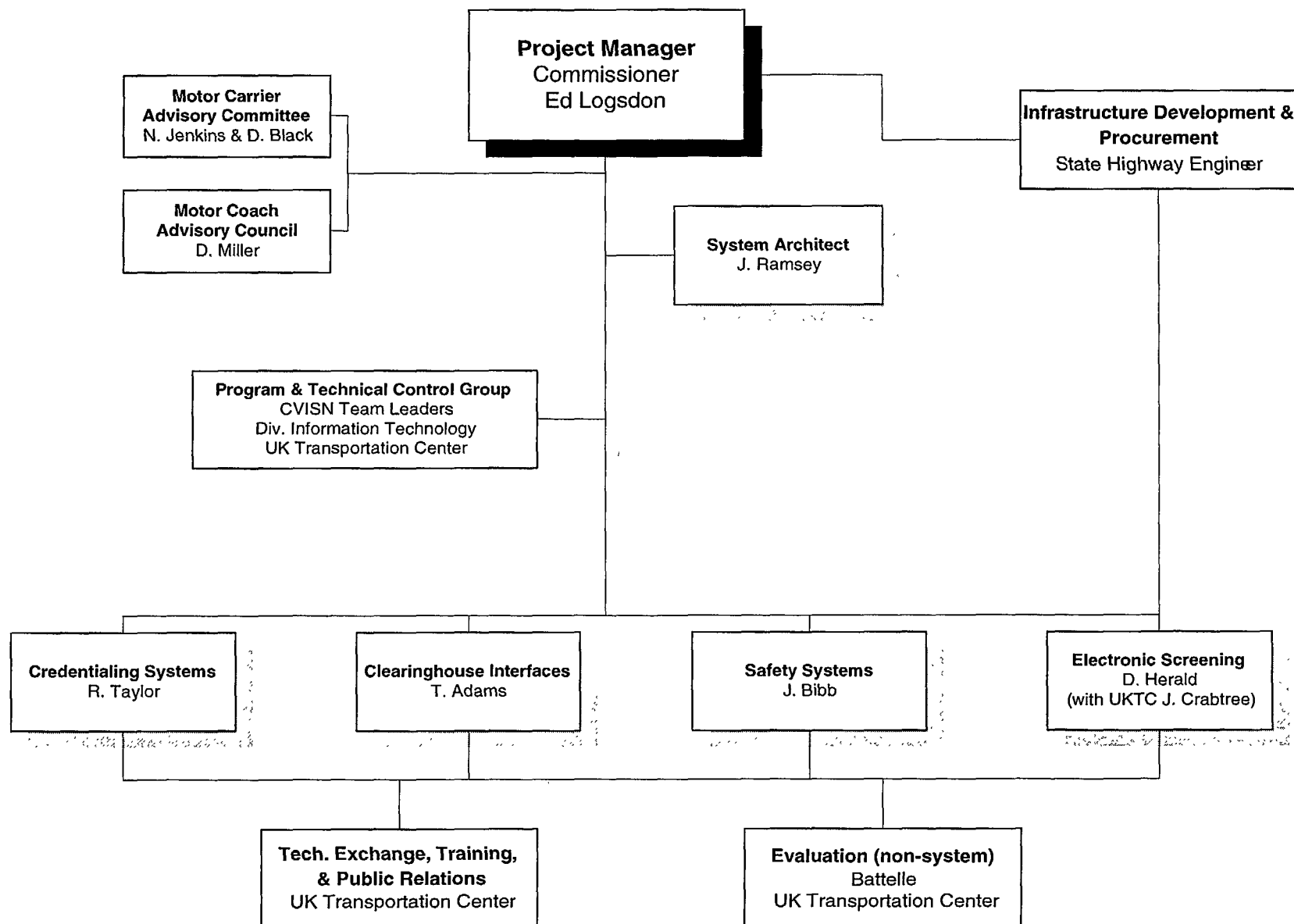
Introduction (continued)

Improving CVO Kentucky Style. Prior to Kentucky being selected as a model deployment state the Governor established a unique program (Empower Kentucky) of process improvement and enabling technology throughout state government. Two CVO processes “taxes” and “weigh stations” were examined thoroughly and completely study teams. This information and improvement recommendations have been available for the model deployment project planning initiative and have been used extensively. Kentucky is interested in moving CVISN forward expeditiously so as to not miss the current “window of opportunity”. This entails keeping the project on schedule and continually looking for innovative opportunities to leap-frog development.

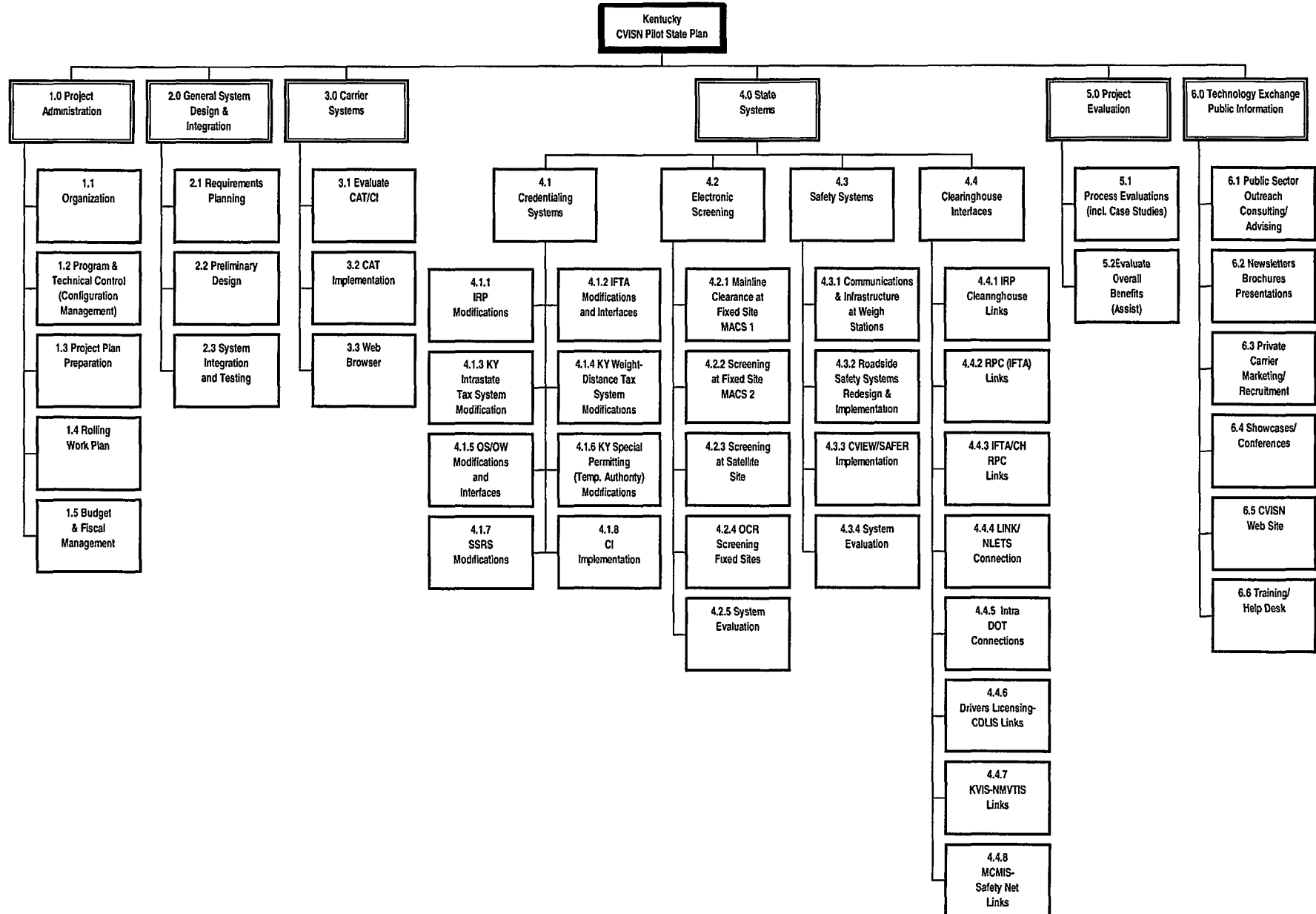
Objectives: Demonstrate the following at a few sites for a portion of the truck and motor coach industry:

- Distribution of real-time safety information to computers at the roadside to target high risk carriers.
- Electronic collection of inspection data from the roadside and uploading to SAFETYNET in a timely manner (daily ?).
- Electronic application for credentials by motor carriers (freight and passenger) including oversize/overweight and special (Temp. Authority) permits.
- Interfacing of state systems to the International Registration Plan (IRP) clearinghouse.
- Interfacing of state systems to the International Fuel Tax Agreement (IFTA) clearinghouse.
- Electronic clearance and screening at fixed and mobile (satellite) sites.
- Use of video capture at roadside to identify commercial vehicles and carriers to assist in screening functions.
- Use of license plate reader(s) at roadside to electronically identify commercial vehicles... is being intentionally delayed to allow for further investigation of environmental and OCR software viability. (See Appendix for a discussion of the Kentucky screening concept--basic infrastructure and systems will be installed that could later support LPR at selected screening sites.)

Kentucky CVISN Organization Structure

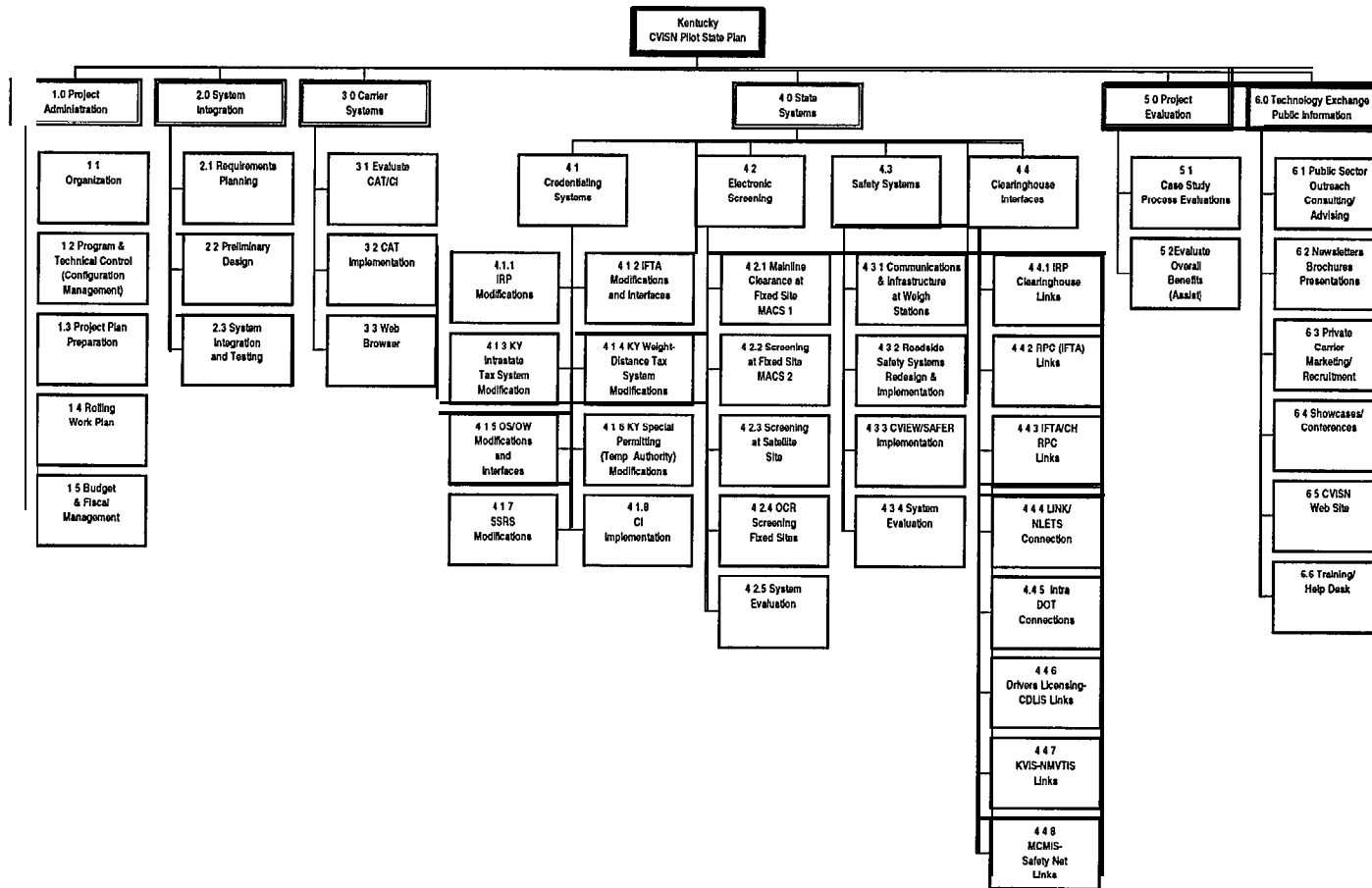


Kentucky CVISN Project Plan Work Breakdown Structure



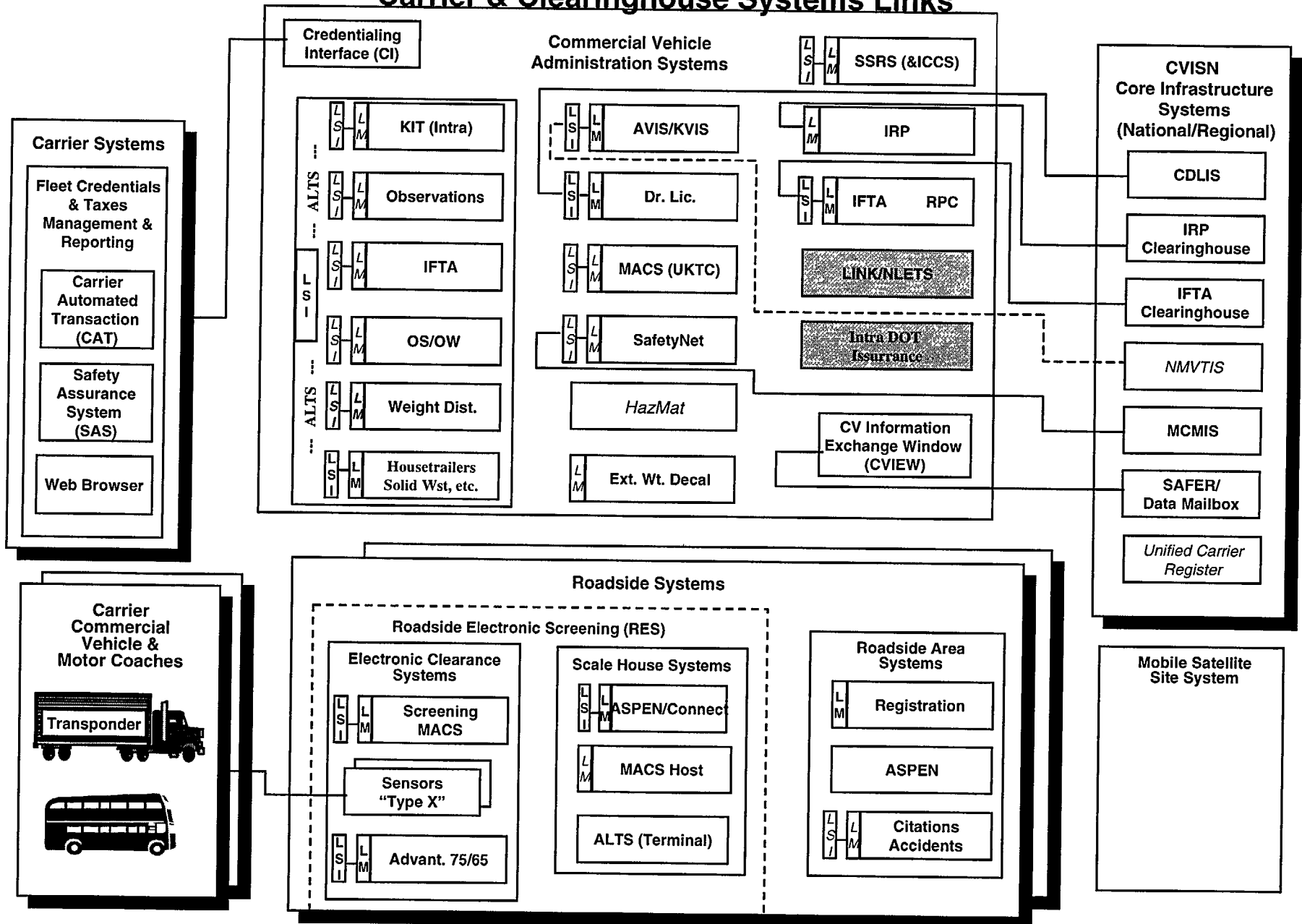
Kentucky CVISN System Design Baseline

Kentucky CVISN Project Plan Work Breakdown Structure



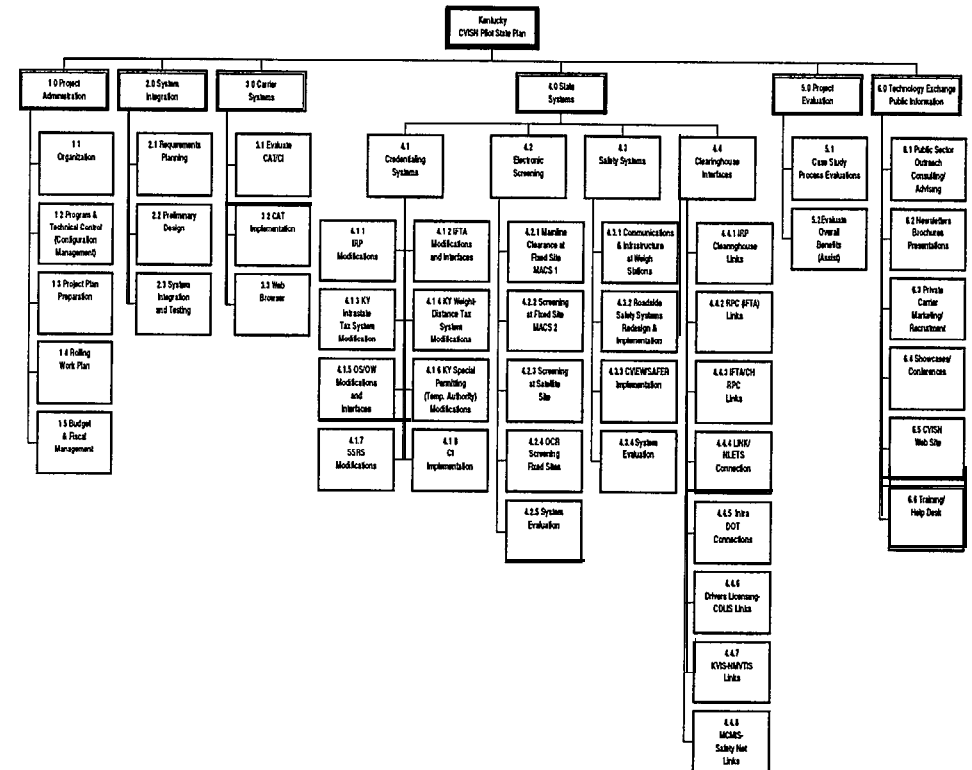
Kentucky State CVISN System Design

Carrier & Clearinghouse Systems Links

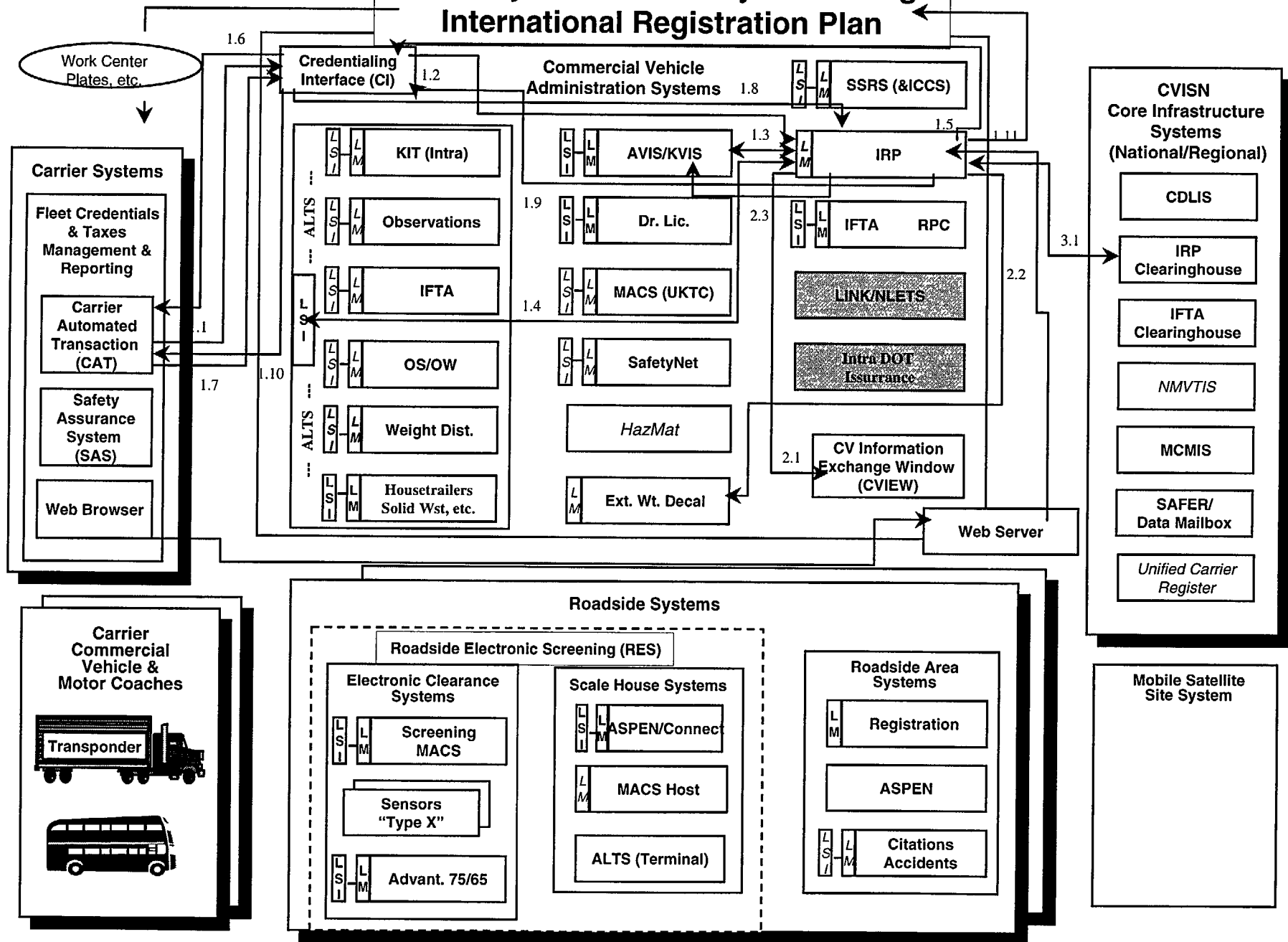


Deskside Processes

- IRP
- IFTA
- KIT
- KY Weight-Distance
- OS/OW
- SSRS

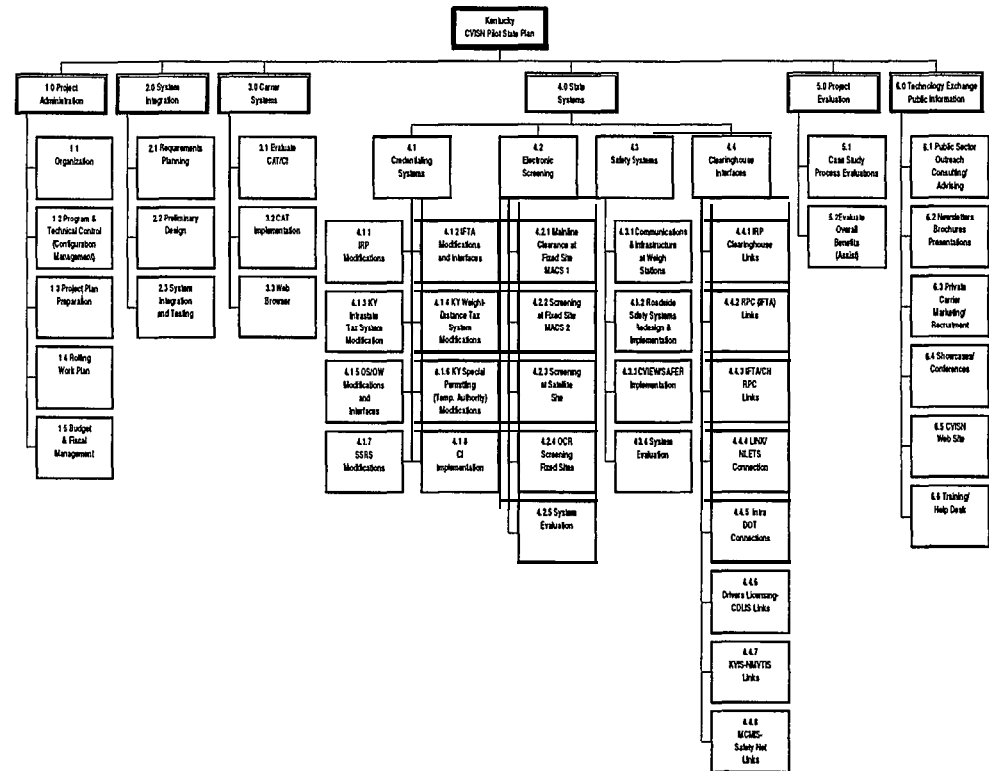


Kentucky State CVISN System Design International Registration Plan



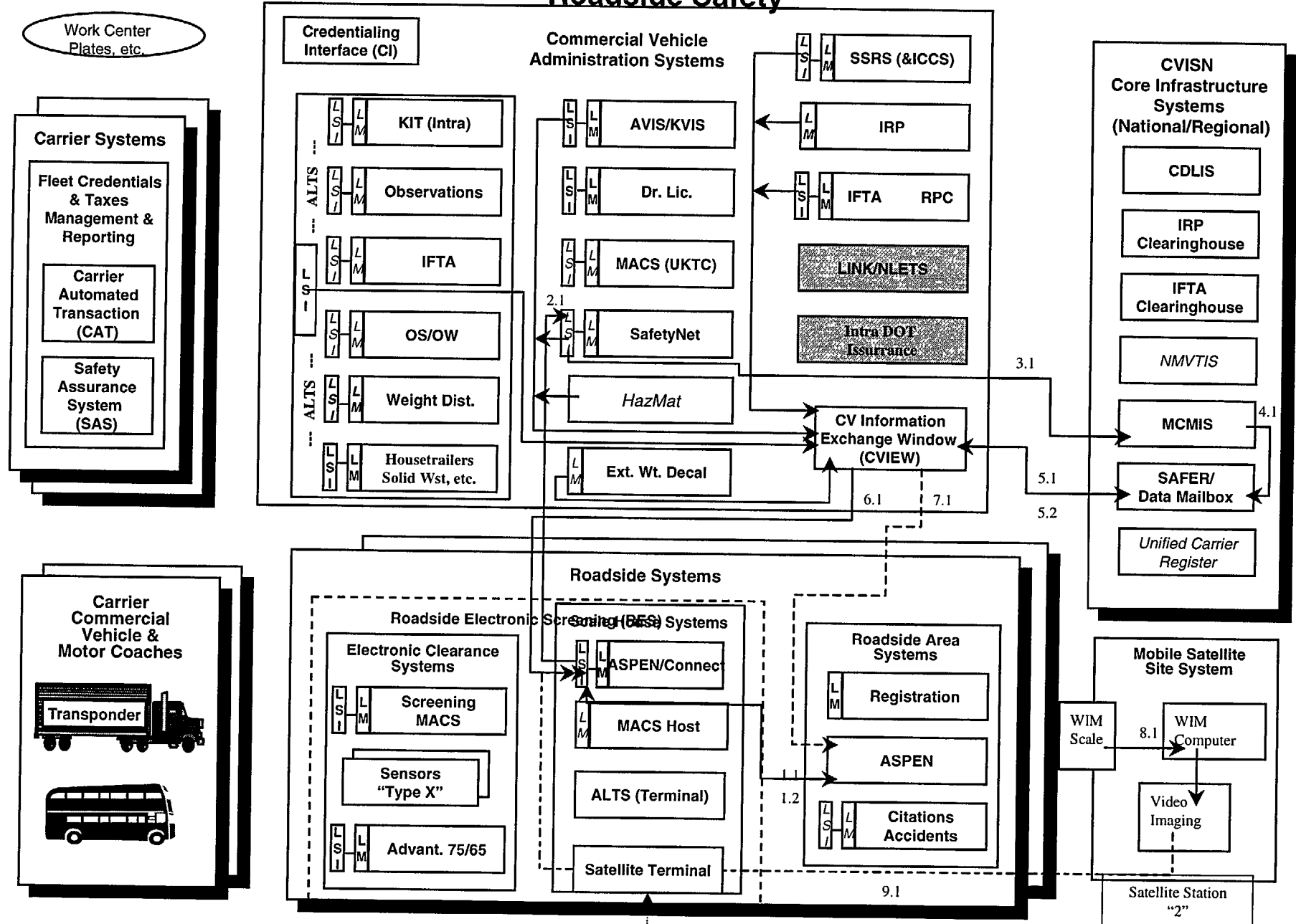
Roadside Processes

- Electronic Screening
- Safety Systems



Kentucky State CVISN System Design

Roadside Safety



Kentucky CVISN Processes

There are several processes employed by the Kentucky CVISN team in the model deployment project-

- (1) Project Planning Process,
- (2) Work Planning Process,
- (3) Configuration Management,
- (4) Development Process,
- (5) Top Level System Design Description, and
- (6) Project Planning Glossary

KENTUCKY PROJECT PLAN WORK ASSIGNMENTS

Work Element	Lead Organization	Lead Person
CVISN Pilot State Project	DVR	E. Logsdon
1.0 Project Administration	DVR	E. Logsdon
1.1 Organization	DVR	E. Logsdon
1.2 Program & Technical Ctrl.	DVR, DIT, UKTC	Logsdon, Ramsey, Hartman
1.3 Project Plan Preparation	DVR, DIT, UKTC	DVR Team, Ramsey, Hartman
1.4 Rolling Work Plan	DVR, DIT, UKTC	DVR Team, Ramsey, Hartman
1.5 Budget Management	DVR	E. Logsdon
2.0 Gen. Sys. Design & Int.	DIT	J. Ramsey
2.1 Requirements Planning	DIT	J. Ramsey
2.2 System Design	DIT	J. Ramsey
2.3 System Int. & Testing	DIT	J. Ramsey
3.0 Carrier Systems	DVR, DIT	J. Ramsey, DVR Team
3.1 Evaluate CAT/CI	DVR, DIT	J. Ramsey, DVR Team
3.2 CAT Implementation	DVR, DIT	J. Ramsey, DVR Team
4.0 State Admin. Systems	DVR, DIT	J. Ramsey, DVR Team
4.1 Credentialing Systems	DVR, DIT	J. Ramsey, R. Taylor, T. Adams
4.1.1 IRP Mods and Ifc.	DIT	R. Carter
4.1.2 IFTA Mods and Ifc	DIS	D. Conway/J. Hockensmith
4.1.3 KIT Mods	DIS	D. Conway/J. Hockensmith
4.1.4 Weight-Dist. Mods	DIS	D. Conway/J. Hockensmith
4.1.5 OS/OW Mods	DIS	D. Conway/J. Hockensmith
4.1.6 KY Special Auth.	DIS	D. Conway/J. Hockensmith
4.1.7 SSRS Mods	DIS	D. Conway/J. Hockensmith
4.1.8 CI Implement	DIT	J. Ramsey
4.2 Electronic Screening	DVR	D. Herald, J. Crabtree, J. Ramsey
4.3 Safety Systems	DVR, DIT	J. Bibb, J. Ramsey
4.3.1 Comm/Infrastruct.	DIT	J. Vasser/T. Moore
4.3.2 Rd. Safety Systems	DIT	J. Vasser/T. Moore
4.3.3 CVIEW/SAFER	DIT	W. Williams
4.4.4 System Eval.	DIT	J. Vasser
4.4 Clearinghse. Interfaces	DIT	J. Ramsey
4.4.1 IRP Links	DIT	T. Messenger
4.4.2 RPC(IFTA) Links	DIS	D. Conway/J. Hockensmith
4.4.3 IFTA/CH RPC	DIS	D. Conway/J. Hockensmith
4.4.4 LINK/NLETS	DIT	J. Vasser
4.4.5 Intra DOT Conn.	DIS	D. Conway/J. Hockensmith
4.4.6 DL-CDLIS Link	DIT	J. Vasser

Work Element	Lead Organization	Lead Person
4.4.7 KVIS-NMVTIS	DIT	J. Vasser
4.4.8 MCMIS-SafetyNet	DIT	J. Vasser
5.0 Project Evaluation	UK, Battelle, DVR, DIT	B. Rodgers, Ed Fekpe
5.1 Evaluate Process Change	DVR, UKTC	B. Rodgers
5.2 Evaluate Overall Benefits	Battelle, DVR, UKTC	Ed Fekpe
6.0 Technology Exchange, Training. and PR	UKTC, DVR, DIT	T. Grossardt, N. Dunaway
6.1 Public Sector Outreach	UKTC, DVR	N. Dunaway
6.2 Newsletters/Brochures	UKTC	N. Dunaway
6.3 Private Carrier Mktg.	UKTC, DVR	N. Dunaway
6.4 Showcase/Conference	UKTC	N. Dunaway
6.5 CVISN Web Site	UKTC	D. Sutch
6.6 Training/Help Desk	UKTC. DVR. DIT	

Kentucky CVISN Plan Phases with Key Objectives

Phase	Start	Stop	Objectives
1	Q4/96	Q2/97	Architecture & Plan
2	Q2/97	Q3/97	Electronic Submissions
3	Q3/97	Q4/97	CAT Ready
4	Q4/97	Q1/98	IRP Ready
5	Q1/98	Q2/98	CVIEW/SAFER
6	Q2/98	Q3/98	Screening Ops
7	Q3/98	Q1/99	Full CAT Deployment
8	Q1/99	Q3/99	Full Screening Deployment
9	Q3/99	? ? ?	Wrap Up

Phase 1: Q4/96-Q1/97 Architecture & Plan

Project Administration	<ul style="list-style-type: none">• Establish Work Groups• Prepare CVISN Project Plan
System Integration	<ul style="list-style-type: none">• Preliminary Software Design Complete
Credentialing	<ul style="list-style-type: none">• CAT Approach Selected
Safety Systems	<ul style="list-style-type: none">• Design of Communications Infrastructure Complete
Tech.Xchange, PR.	<ul style="list-style-type: none">• First Showcase Outreach--Carriers

Phase 2: Q2/97 Electronic Submissions

Credentials	<ul style="list-style-type: none">- IRP Info Review Web Interface• Development for IDT CAT Demo, (Harbinger VAN CI)
Safety Systems	<ul style="list-style-type: none">• First Comm. Infrastructure Installed (LAN/WAN)
Technology Xchange, P.R.	<ul style="list-style-type: none">• Web Site active- KY Motor Carriers Mtg.• Showcase Conference- Orientation for 3 Carriers

Phase 3: Q3/97-CAT Ready

Clearinghouse Interfaces	<ul style="list-style-type: none">• IRP Clearinghouse Interface
Credentials	<ul style="list-style-type: none">• Demonstrate (IDT) CAT w/ Harbinger VAN• Tax Connect IFTA Web Interface
Electronic Screening	<ul style="list-style-type: none">• Design Complete for Satellite Stations• Design Complete for O.C.R.
Safety Systems	<ul style="list-style-type: none">• Finalize Approach for CVIEW
Carrier Systems	<ul style="list-style-type: none">• CAT Modifications Complete

		96		1997				1998				1999			
ID	Name	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	Kentucky CVISN Pilot Project														
1	Project Administration														
7	System Integration														
52	Carrier Systems														
87	State Systems														
88	Credentialing Systems														
166	Electronic Screening														
194	Safety Systems														
248	Clearinghouse Interfaces														
273	Project Evaluation														
277	Technology Exchange														

Kentucky CVISN Budget Year 1

	Personnel & Operating Expense	Purchases & Capital Outlays	Contract Services	Yr. Total	State Funds	Federal Funds
Project Administration	10,000	19,000	40,000	69,000	29,000	40,000
System Integration	69,000	4,000	0	73,000	71,000	2,000
Carrier Systems	29,875	0	8,125	38,000	29,875	8,125
Credentialing Systems	130,375	150,000	8,125	288,500	144,000	144,500
Electronic Screening	143,500	96,375	98,125	338,000	168,625	169,375
Safety Systems	16,875	35,000	9,125	61,000	31,000	30,000
Project Evaluation	11,500		35,000	46,500	11,500	35,000
Technology Exchange, Training, PR	15,000	0	71,000	86,000	15,000	71,000
TOTALS	\$426,125	\$304,375	\$269,500	\$1,000,000	500,000	\$500,000

Top Issues

- Funding (timing, block grants, other ITS, performance standards)
- CATS, CI, CVIEW “COST & AVAILABILITY”
- OVERALL Evaluation Approach/Criteria
- Funding for DUAL Systems
- Uniformity/Compatibility Among States
- Legacy System Transition

Appendix

- COACH 1 Checklist Responses
- COACH 2 Checklist Responses
- Operational Concept Documents
 - Electronic Screening
 - Screening Operations at Satellite Sites
 - Optical Character Recognition Applications